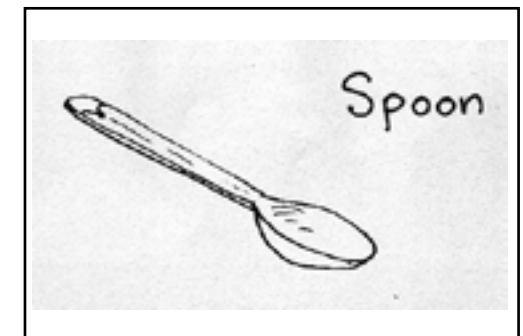
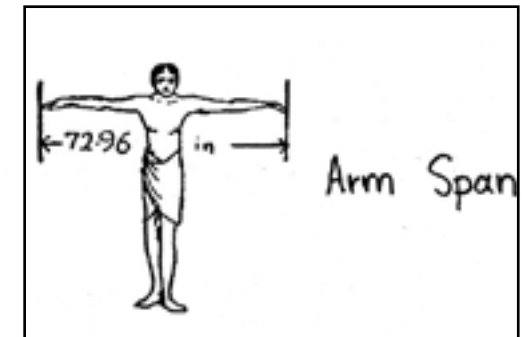


# Measuring Game

Imagine that you live hundreds of years ago. You may need to do some measuring.



Set Card

For measuring time.

1

You want to know how many days there are in summer.

Knotted String burning at one end

You need to know the size of a field.

You want to measure a small amount of gold dust.

You need to measure flour, sugar and fruit for cake you want to make.

# Measuring Game

This activity was devised by Peter Wardle in 1988. The pictures were drawn for the activity. Like many of our activities it is designed to encourage children to research and produce further examples of tasks and more methods of measuring.

The webaddress for this activity is:

<http://www.collaborativelearning.org/measuringgame.pdf>

This activity was last updated 13th June 2022

Collaborative Learning = Oracy in Curriculum Context  
makes challenging curriculum accessible.  
improves social relations in the classroom.  
provides scaffolding for exploratory talk.

If you don't get the chance talk a  
idea through with others, you won't  
be able to write about it confidently!

**Basic principles behind our talk for  
learning activities:  
Oracy in curriculum contexts!**

Build on children's own prior knowledge.  
Move from concrete to abstract.  
Ensure everyone works with  
everyone else.  
Extend social language towards  
curriculum language.  
Provide motivating ways to go over the  
same knowledge more than once.

COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

We support a network of teaching professionals to develop and disseminate  
accessible talk-for-learning activities in all subject areas and for all ages.

17, Barford Street, Islington, London N1 0QB UK Phone: 0044 (0)20 7226 8885

Website: <http://www.collaborativelearning.org>

# Measuring Game

Imagine that you live hundreds of years ago. You may need to do some measuring.

## PLAY THE GAME!

This is a game for a group of four to six players.

1. Give each player a large card. There are four measuring tasks on each card.
2. Shuffle the small cards. Place them in a pile face downwards.
3. Take turns to take a small card. Keep the card, if it will help you with one of your tasks, and place it above the task on your large board. You will need to explain to the rest of the group why it will help you.
4. If the card is not helpful, pass it round the group clockwise until a player can fit it to a measuring task.
5. Play the game until everybody's large card is filled.

## AFTER THE GAME

Put the task cards away.  
Leave the small cards out.  
Place the four set cards on the table. Then arrange the correct small cards around each set card.

Set Card

For measuring time.

Set Card

For measuring volume.

Set Card

For measuring length  
and height.

Set Card

For weighing things.




1

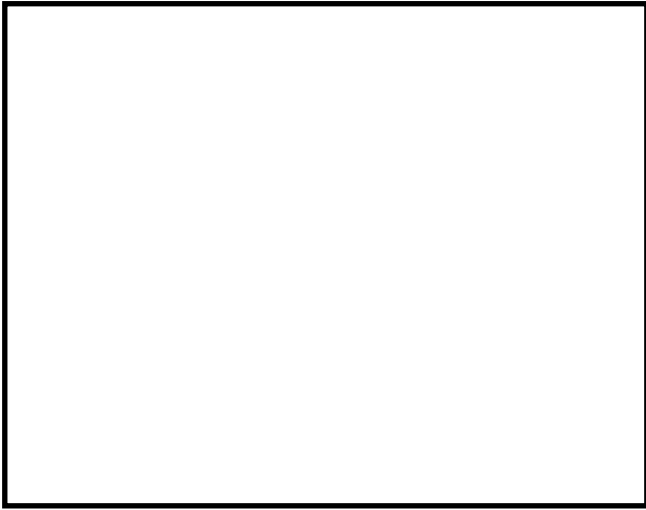


You want to know how many days there are in summer.

You want to measure a small amount of gold dust.



You need to know the size of a field.



You need to measure flour, sugar and fruit for cake you want to make.

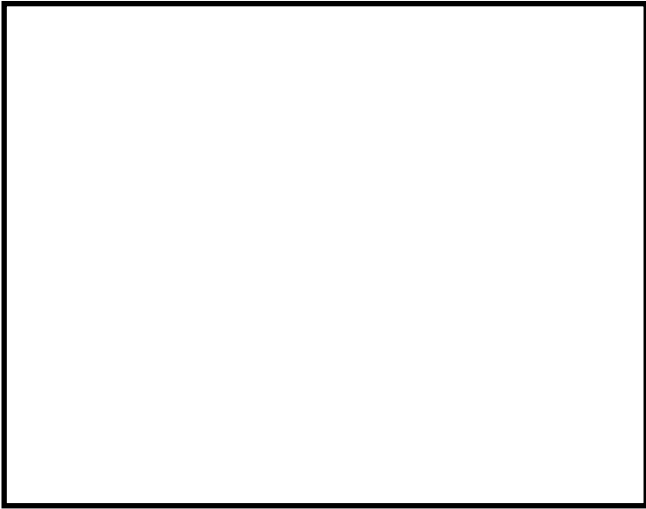


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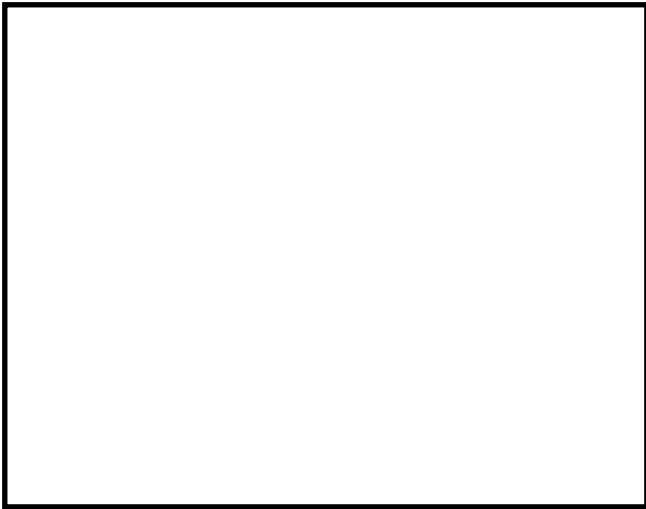


You want to give your friends equal shares of some cheese you have

You need to know the height of a horse.



You want to make bricks that are all the same size.



You want to know how long it takes for potatoes to grow.

3

You need to know how long it takes to bake a cake.

You want to give your friends an equal share of some milk.

You want to know how long it takes to boil an egg.

You need to make some arrows that are all the same length.

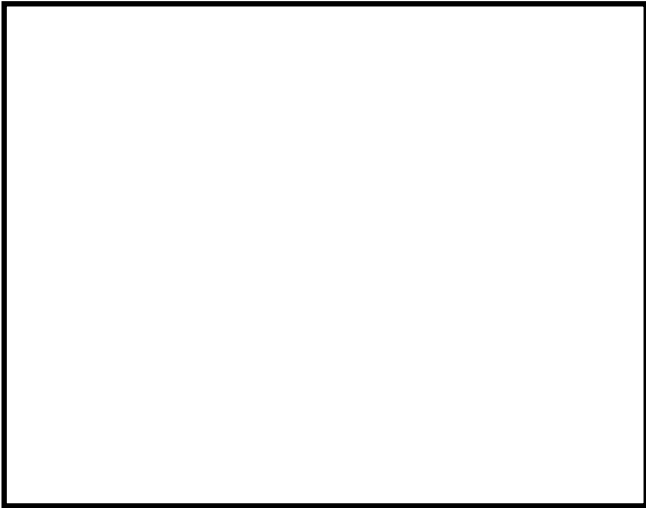


4

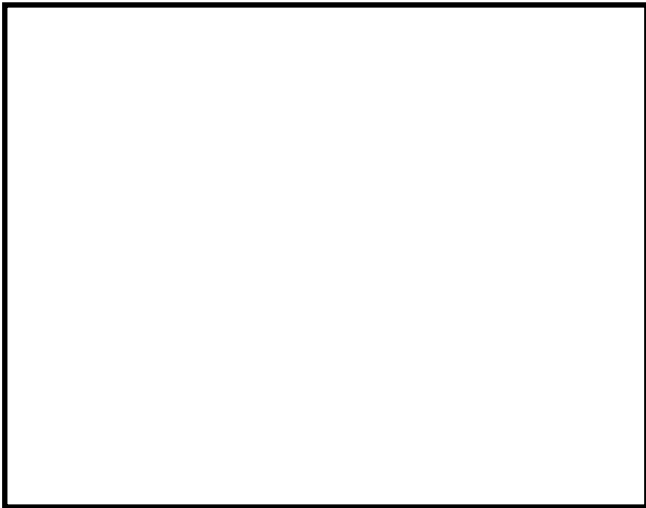


You want to measure how much rain has fallen.

You want to measure a roll of cloth.



You want to know how wide a river is.



You need to know how much rice you have grown.



5

You want to find out how far you can shoot an arrow.

You want to measure a small fish.

You want to measure a small amount of medicine.

You want to make some wooden posts that are all the same size.

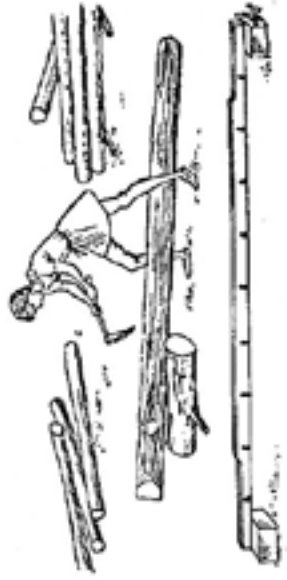
6

You need to give your chickens the same amount of food each day.

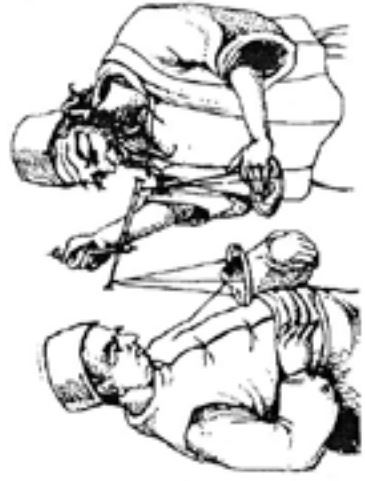
You need to know the size of a room in your house.

You want to measure the mast of a boat.

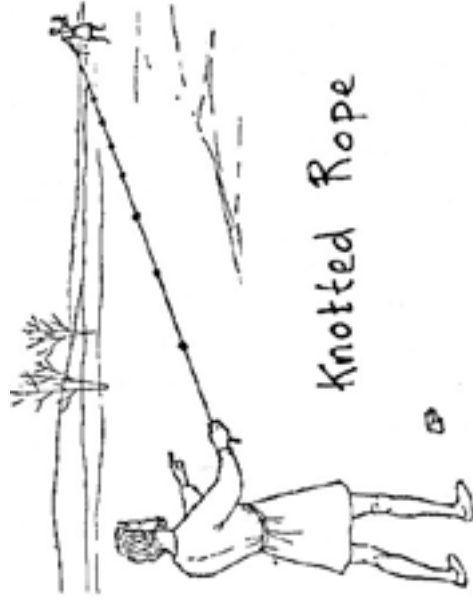
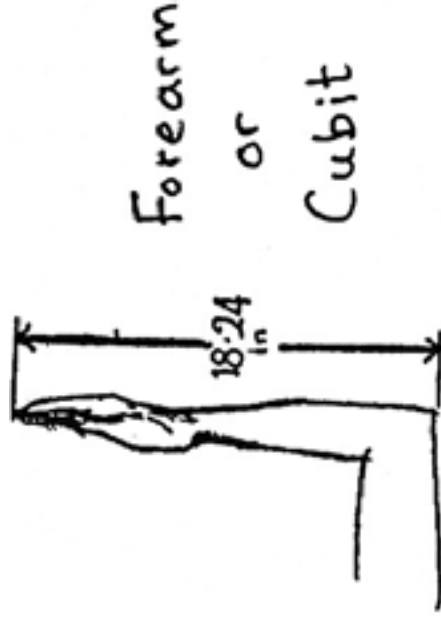
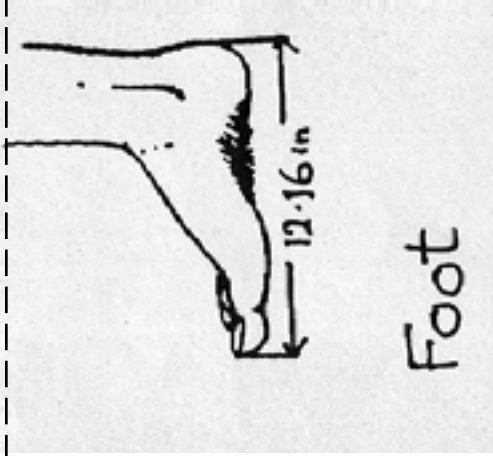
You need to weigh some fruit that you are selling.



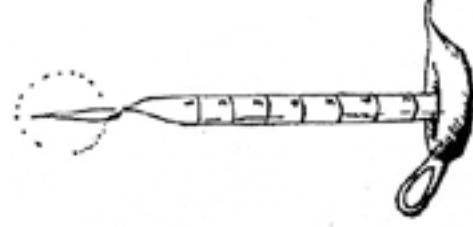
Builder's Rod



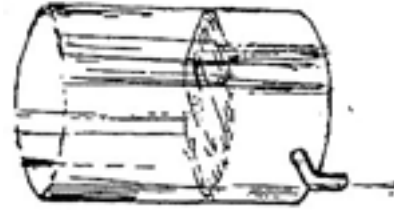
Balance



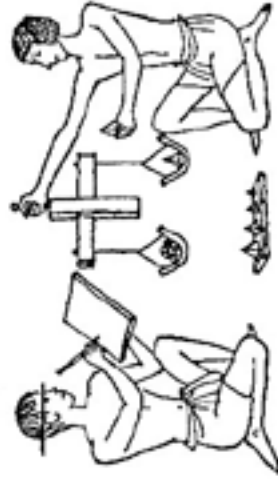
Knotted Rope



Candle Clock



Water Clock



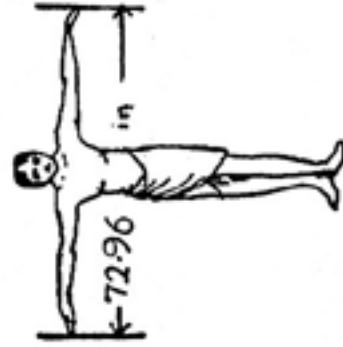
Egyptian Scales



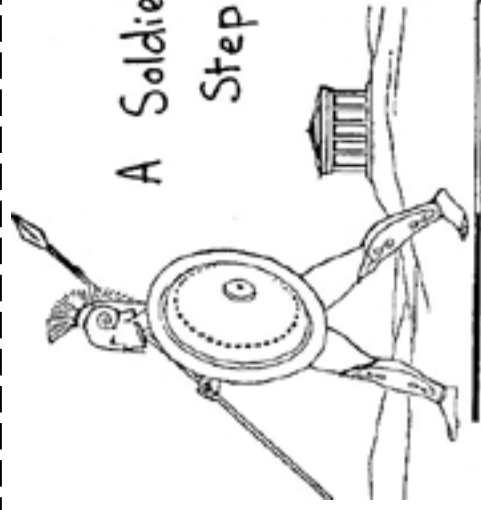
Hand Span



Knotted String  
burning at one  
end



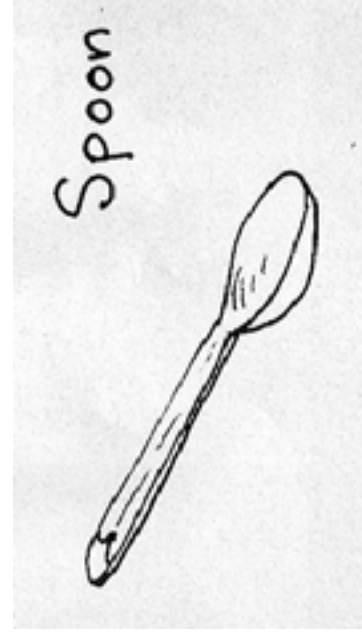
Arm Span



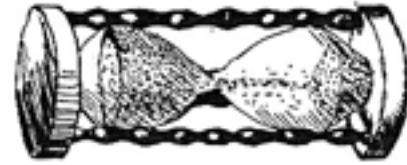
A Soldier's  
Step



Thumb Width  
or inch



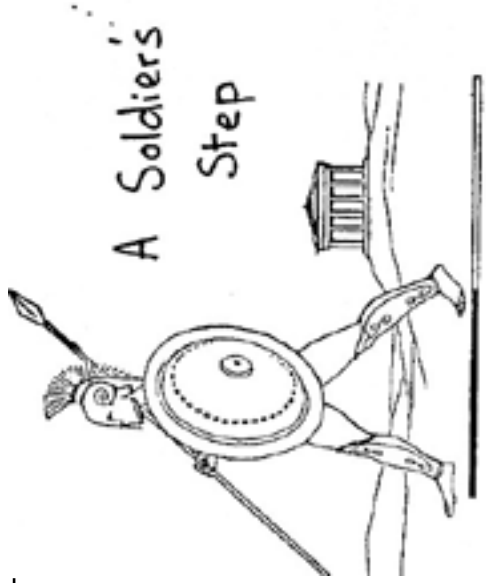
Spoon



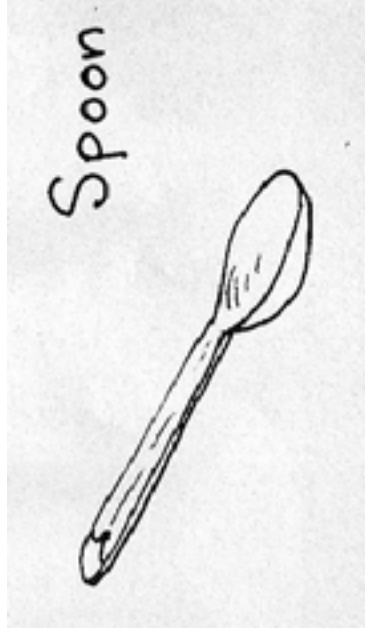
Hour Glass



Thimble



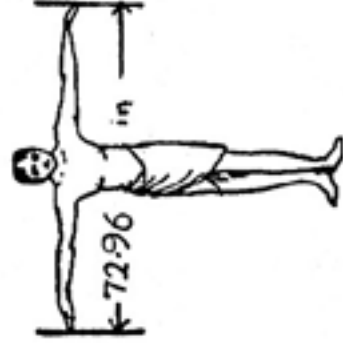
A Soldier's Step



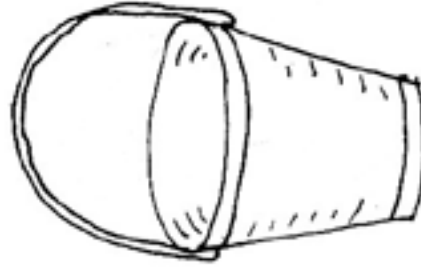
Spoon



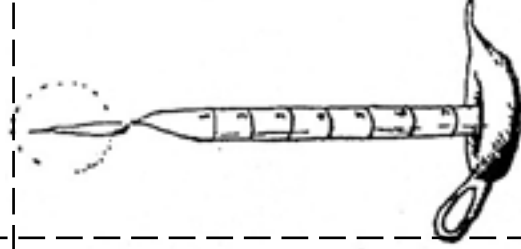
Thumb Width  
or inch



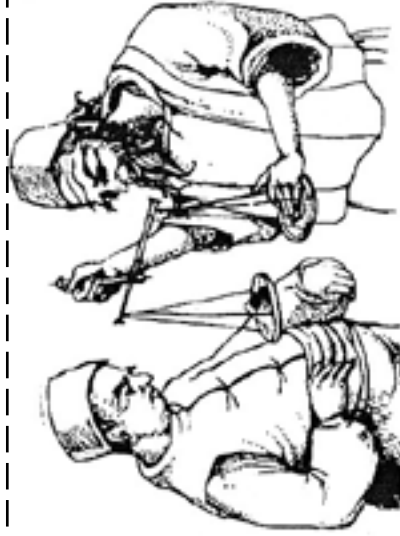
Arm Span



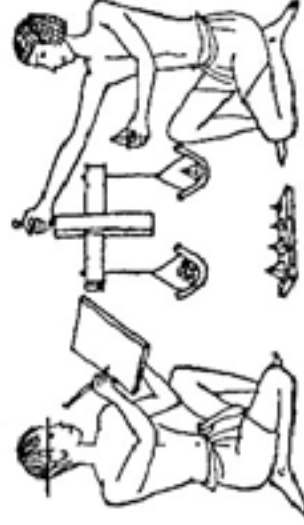
Bucket



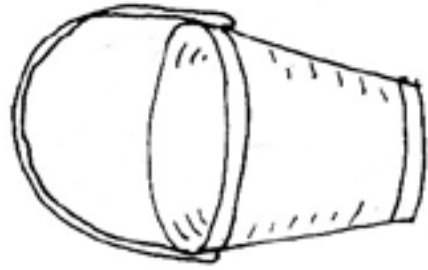
Candle Clock



Balance



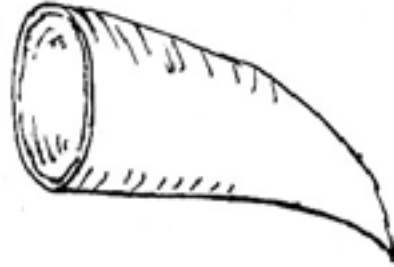
Egyptian Scales



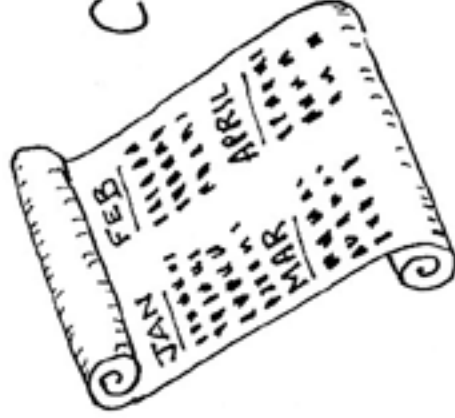
Bucket



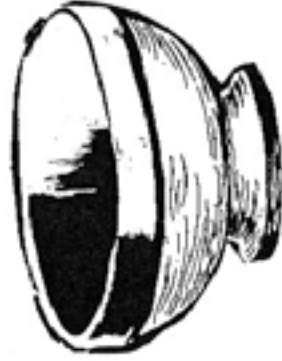
Calendar



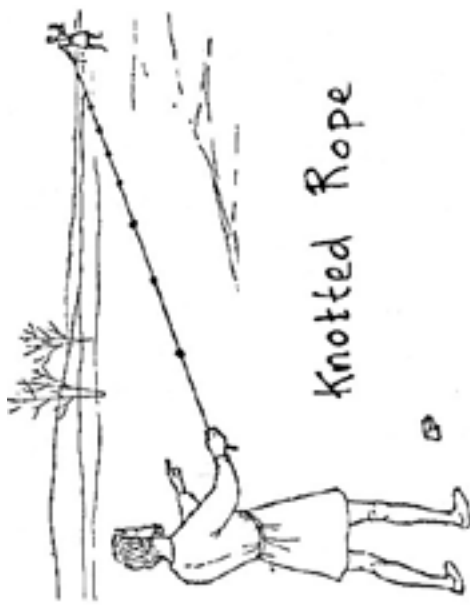
Horn Cup



Calendar



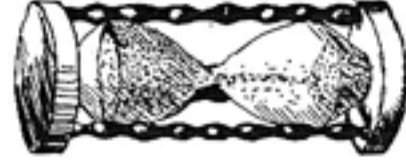
Bowl



Knotted Rope



Builder's Rod



Hour Glass